

Form PTO-1449 U.S. Department of Commerce
(Rev. 2-32) Patent and Trademark Office
Information Disclosure
Statement by Applicant
(Use several sheets if necessary)

Atty. Docket No.
CIS-061

Serial No.
09/174,046

Applicant: Andrew Harvey

Filing Date: October 16, 1998

Group: 2756

U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	SubClass	Filing Date
A B C D E F	4,679,189	07/87	Olson, et al.	370	60	
	5,095,480	03/92	Fenner	370	94.1	
	5,287,453	02/94	Roberts	395	200	
	5,490,258	02/96	Fenner	395	401	
	5,630,125	05/97	Zellweger	395	614	
	5,748,186	05/98	Raman	345	302	

FOREIGN PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Country	Class	SubClass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner

Mehmet G. G. G.

Date Considered

5/17/00

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant

Form PTO-1449 U.S. Department of Commerce
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09/174,046

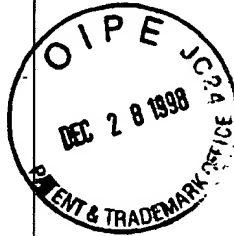
Applicant: Andrew Harvey

Filing Date: October 16, 1998

Group: 2756

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
<i>MB</i>	A	5,684,797	11/97	Aznar et al.	370	390	
<i>MB</i>	B	5,689,506	11/97	Chiussi et al.	370	388	



FOREIGN PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Country	Class	SubClass	Translation	
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Examiner

Melvin G. Gellert

Date Considered

5/17/00

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09/174,046

#7

Art Cited

United States Patent Numbers:

*Not
considered
relevant
to present
applicant
M.C.*

5,841,874	5,750,097	5,034,919	4,965,767
5,602,770			

Foreign Patent Documents:

Examiner: Melist Gool

Date Considered: 5/17/00

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(Rev. 2-32)

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Patent and Trademark Office

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AUG 18 1998

Applicant: Andrew Harvey

Filing Date: October 16, 1998

Group: 2756

PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
ML	A	5,631,908	05/20/97	Saxe	370	235	3/28/95
	B	5,687,324	11/11/97	Green et al	370	414	11/8/95
	C	5,724,351	3/3/98	Chao et al	370	395	4/15/95
	D	5,754,547	5/19/98	Nakazawa	370	401	4/26/96
	E	5,854,903	12/29/98	Morrison et al	709	249	11/7/95
MB	F	5,898,686	4/27/99	Virgile	370	381	12/12/96

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FOREIGN PATENT DOCUMENTS

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Melba G. Li

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Sheet

1

of

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Application Number	09/174,046
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09/174.046

Filing Date	October 16, 1998
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October 16, 1998

First Named Inventor	Andrew Harvey
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Andrew Harvey

Group Art Unit	2756
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2756

Examiner Name	Not Assigned
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Not Assigned

Attorney Docket Number | CIS-061

CIS-061

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U.S. PATENT DOCUMENTS

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Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Assigned
Attorney Docket Number	CIS-061

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Sheet	2	of	2
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Attorney Docket Number	CIS-061
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Group 2700

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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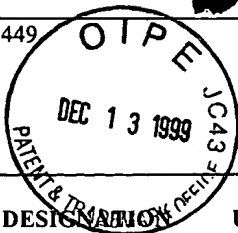
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FORM PTO-1449



ATTY. DOCKET NO.	CIS-061	SERIAL NO	09/174,046
APPLICANT	Andrew Harvey		
FILING DATE	October 16, 1998	GROUP	2756

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>ML</i>	4,979,118	12/90	Kheradpir, Shaygan	364	136
<i>ML</i>	5,892,924	04/99	Lyon et al	395	200.75
<i>ML</i>	5,519,858	05/96	Walton et al	395	600
<i>ML</i>	5,309,437	05/94	Perlman et al	730	2700

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DEC 15 1999

Group 2700

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLAS	TRANSLATION	
						YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

Examiner: *Melt Galt* Date Considered *5/17/00*



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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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PATENT TRADEMARK OFFICE

Complete if Known

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Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

(use as many sheets as necessary)

Sheet	1	of	10
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
in 6		Re. 33,900		Howson	04/28/92	
		4,131,767		Weinstein	12/26/78	
		4,161,719		Parikh, et al.	07/17/79	
		4,316,284		Howson	02/16/82	
		4,397,020		Howson	08/02/83	
		4,419,728		Larson	12/06/83	
		4,424,565		Larson	01/03/84	
		4,437,087		Petr	03/13/84	
		4,438,511		Baran	03/20/84	
		4,439,763		Limb	03/27/84	
		4,445,213		Baugh, et al.	04/24/84	
		4,446,555		Devault, et al.	05/01/84	
		4,456,957		Schieltz	06/26/84	
		4,464,658		Thelen	08/07/84	
		4,499,576		Fraser	02/12/85	
		4,506,358		Montgomery	03/19/85	
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		4,532,626		Flores, et al.	07/30/85	
		4,644,532		George, et al.	02/17/87	
in 6		4,646,287		Larson, et al.	02/24/87	

FOREIGN PATENT DOCUMENTS

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Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

Sheet 2 of 10

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
ML		4,677,423		Benvenuto, et al.	06/30/87	
		4,679,189		Olson, et al.	07/07/87	
		4,679,227		Hughes-Hartogs	07/07/87	
		4,723,267		Jones, et al.	02/02/88	
		4,731,816		Hughes-Hartogs	03/15/88	
		4,750,136		Arpin, et al.	06/07/88	
		4,757,495		Decker, et al.	07/12/88	
		4,763,191		Gordon, et al.	08/09/88	
		4,769,810		Eckberg, Jr., et al.	09/06/88	
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		4,771,425		Baran, et al.	09/13/88	
		4,819,228		Baran, et al.	04/04/89	
		4,827,411		Arrowood, et al.	05/02/89	
		4,833,706		Hughes-Hartogs	05/23/89	
		4,835,737		Herrig, et al.	05/30/89	
		4,879,551		Georgiou, et al.	11/07/89	
		4,893,306		Chao, et al.	01/09/90	
		4,903,261		Baran, et al.	02/20/90	
		4,922,486		Lidinsky, et al.	05/01/90	
ML		4,933,937		Konishi	06/12/90	

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5/17/00

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	10
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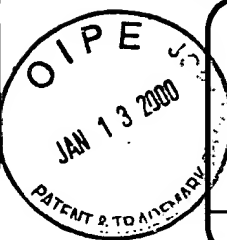
Application Number	09/174,046
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First Named Inventor	Andrew Harvey
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		Number	Kind Code ² (if known)			
ME		4,960,310		Cushing	10/02/90	
		4,962,497		Ferenc, et al.	10/09/90	
		4,962,532		Kasirai, et al.	10/09/90	
		4,965,772		Daniel, et al.	10/23/90	
		4,970,678		Sladowski, et al.	11/13/90	
		4,980,897		Decker, et al.	12/25/90	
		4,991,169		Davis, et al.	02/05/91	
		5,003,595		Collins, et al.	03/26/91	
		5,014,265		Hahne, et al.	05/07/91	
		5,020,058		Holden, et al.	05/28/91	
		5,033,076		Jones, et al.	07/16/91	
		5,054,034		Hughes-Hartogs	10/01/91	
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		5,072,449		Enns, et al.	12/10/91	
		5,088,032		Bosack	02/11/92	
		5,095,480		Fenner	03/10/92	
		5,115,431		Williams, et al.	05/19/92	
		5,128,945		Enns, et al.	07/07/92	
		5,136,580		Videlock, et al.	08/04/92	
ME		5,166,930		Braff, et al.	11/24/92	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **4** of **10****Complete if Known**

Application Number	09/174,046
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Attorney Docket Number	CIS-061

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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
M6		5,199,049		Wilson	03/30/93	
		5,206,886		Bingham	04/27/93	
		5,212,686		Joy, et al.	05/18/93	
		5,224,099		Corbalis, et al.	06/29/93	
		5,226,120		Brown, et al.	07/06/93	
		5,228,062		Bingham	07/13/93	
		5,229,994		Balzano, et al.	07/20/93	
		5,237,564		Lespagnol, et al.	08/17/93	
		5,241,682		Bryant, et al.	08/31/93	
		5,243,342		Kattemalalavadi, et al.	09/07/93	
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		5,253,251		Aramaki	10/12/93	
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		5,260,933		Rouse	11/09/93	
M6		5,260,978		Fleischer, et al.	11/09/93	
		5,268,592		Bellamy, et al.	12/07/93	
		5,268,900		Hluchyj, et al.	12/07/93	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Sheet	5	of	10
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		Number	Kind Code ² (if known)			
nlb		5,274,631		Bhardwaj	12/28/93	
		5,274,635		Rahman, et al.	12/28/93	
		5,274,643		Fisk	12/28/93	
		5,280,470		Buhrke, et al.	01/18/94	
		5,280,480		Pitt, et al.	01/18/94	
		5,280,500		Mazzola, et al.	01/18/94	
		5,283,783		Nguyen, et al.	02/01/94	
		5,287,103		Kasprzyk, et al.	02/15/94	
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		5,291,482		McHarg, et al.	03/01/94	
		5,305,311		Lyles	04/19/94	
		5,307,343		Bostica, et al.	04/26/94	
		5,311,509		Heddes, et al.	05/10/94	
		5,313,454		Bustini, et al.	05/17/94	
		5,313,582		Hendel, et al.	05/17/94	
		5,317,562		Nardin, et al.	05/31/94	
		5,319,644		Liang	06/07/94	
		5,327,421		Hiller, et al.	07/05/94	
		5,331,637		Francis, et al.	07/19/94	
nlb		5,345,445		Hiller, et al.	09/06/94	

FOREIGN PATENT DOCUMENTS

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Examiner
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Sheet	6	of	10
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MLG		5,345,446		Hiller, et al.	09/06/94	
		5,359,592		Corbalis, et al.	10/25/94	
		5,361,250		Nguyen, et al	11/01/94	
		5,361,256		Doeringer, et al.	11/01/94	
		5,361,259		Hunt, et al.	11/01/94	
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		5,386,567		Lien, et al.	01/31/95	
		5,390,170		Sawant, et al.	02/14/95	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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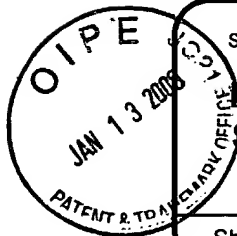
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **8** of **10**

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Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

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		Number	Kind Code ² (if known)			
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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
<i>MB</i>			WO93/07569		Harriman, et al.	04/15/93		
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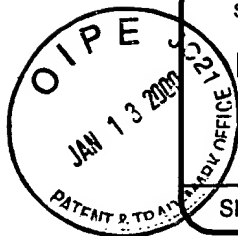
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	9	of	10
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Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

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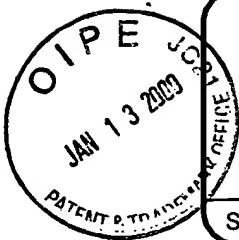
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Sheet **10** of **10**

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Application Number	09/174,046
Filing Date	October 16, 1998
First Named Inventor	Andrew Harvey
Group Art Unit	2756
Examiner Name	Not Yet Assigned
Attorney Docket Number	CIS-061

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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